PRINTED CIRCUIT BOARD (MODULE / TRANSITION MODULE) REVIEW CHECKLIST

Module Name: ___ MINOS MASTER Card **Transition Module Name: _____** MINOS MASTER AUXILIARY Board	**Information Included**						**Comments**
	Module			**Transition Module**			
	YES	NO	N/A	YES	NO	N/A	
General							
Overall Module/Transition Module description of operation and I/O & control							
Schematics				X			SEE SCHMEMATIC (MINMSTRAUX.pdf)
Connector types				X			SEE CONNECTOR DRAWINGS
General protocol timing diagrams						X	
Pinouts				X			SEE SCHEMATIC
Module has associated Transition Module							
Mechanical							
Any special subrack requirements					**X**		
PC board							
Mechanical drawings				X			SEE FABRICATION DRAWING (MASTERAUX.pdf)
Board thickness & top, bottom edge milling to 0.062 inch					X		0.062" BOARD - NO MILLING NECESSARY
Stiffeners					X		NONE USED
Warpage					X		STANDARD ACCEPTABLE
Chamfers				X			SEE FABRICATION DRAWING
Clearances checked (both sides)					X		
Non-circuitry areas					X		
Connector types							
Specials						X	
ESD protection							
Strip (w/o soldermask over it)						X	
ESD discharge resistors						X	
Front panel							
Module / Transition Module has front panel				X			SEE PRTOTYPE BOARD & FRONT PANEL DRAWING
Injector / ejector / locking handles w / lock washers or liquid threadlock					X		
Center support w / lock washer or liquid threadlock				X			SEE PRTOTYPE BOARD & FAB. DRAWING
LEDs, test points & labeling					X		
Connected to board circuitry					X		FRONT PANEL IS ISOLATED
Isolated connectors (cable shield connections & terminations)					X		
Transition card J2 connector (or shell for alignment)				X			SEE PROTOTYPE BOARD & SHELL DRAWING
Keying							
Any special keying requirements					X		
Test & repair							
Extenders							
List of standard & special connectors						X	
Special hardware						X	
Test fixtures						X	
Open side subrack						X	
Electrical							
Any special subrack requirements						X	
Power requirements							
Power pins used						X	NO POWER ON THE BOARD
Voltages & currents (module only)						X	
If very low currents (e.g., +12 V supply) why not DC-DC converters?						X	
Power to Transition Module (how?)						X	
Overcurrent (fuses) & overvoltage (tranzorbs) protected						X	
I/O connector types, pinouts, inputs / outputs & signal levels (technology)							
Front panel							
Rear (front) panel				X			LVDS SIGNAL LEVELS - SEE CONNECTOR DRAWING
J3 backplane area				X			LVDS SIGNAL LEVELS - SEE CONNECTOR DRAWING
Cable shrouds & latches						X	
Cable shield connections				X			SEE SCHEMATIC
Power							
Power density					X		NO POWER USED
Power distribution						X	
Air Flow							
Blockage					X		
Diverters for hot spots						X	